

HARBERD et al -- Serial No.: 09/485,529

F₁ 6. (Thrice Amended) An isolated polynucleotide encoding a polypeptide which comprises the amino acid sequence DELLAALGYKVRASDMA (SEQ ID NO:104) and which on expression in a plant provides inhibition of growth of the plant, which inhibition is antagonised by gibberellin,

wherein said polynucleotide specifically hybridizes to the sequence of Figure 8A (SEQ ID NO: 14) at 65°C in 0.25M Na₂HPO₄, pH 7.2, 6.5% SDS, 10% dextran sulphate and a final wash at 60°C in 0.1X SSC, 0.1% SDS.

F₂ 10. (Twice Amended) An isolated polynucleotide according to claim 6 wherein said polypeptide includes the amino acid sequence shown in Figure 9b (SEQ ID NO: 8) for the maize D8 polypeptide.

F₃ 12. (Twice Amended) An isolated polynucleotide according to claim 6 wherein said polypeptide includes the amino acid sequence shown in Figure 6b (SEQ ID NO: 5).

F₄ 14. (Thrice Amended) An isolated polynucleotide encoding a polypeptide which on expression in a plant confers a phenotype on the plant which is gibberellin-unresponsive dwarfism or which on expression in a *rht* null mutant phenotype plant complements the *rht* null mutant

HARBERD et al -- Serial No.: 09/485,529

phenotype, such *rht* null mutant phenotype being resistant to the dwarfing effect of paclobutrazol,

wherein said polynucleotide specifically hybridizes to the polynucleotide sequence of Figure 8A (SEQ ID NO: 14) under the following conditions: hybridization overnight at 65°C in 0.25M Na₂HPO₄, pH 7.2, 6.5% SDS, 10% dextran sulphate and a final wash at 60°C in 0.1X SSC, 0.1% SDS.

17. (Twice Amended) An isolated polynucleotide according to claim 15 wherein the polypeptide includes the amino acid sequence of a *Rht* polypeptide obtained from *Triticum aestivum*, with the amino acid sequence LNAPPPPLPPAPQ (SEQ ID NO:103) deleted.

19. (Twice Amended) An isolated polynucleotide according to claim 18 wherein said one or more amino acids comprise the amino acid sequence DELLAALGYKVRSSDMA (SEQ ID NO: 106).

21. (Twice Amended) An isolated polynucleotide according to claim 18 wherein said one or more amino acids comprise the amino acid sequence VAQK (SEQ ID NO: 101).

HARBERD et al -- Serial No.: 09/485,529

F7
cm
22. (Twice Amended) An isolated polynucleotide
according to claim 18 wherein said one or more amino acids
comprise the amino acid sequence LATDTVHYNPSD (SEQ ID NO:
102).

F8
24. (Twice Amended) An isolated polynucleotide
according to claim 23 wherein said one or more amino acids
comprise the amino acid sequence DELLAALGYKVRSSDMA (SEQ ID
NO: 106).

F9
28. (Twice Amended) An isolated polynucleotide
comprising the isolated polynucleotide according to claim 1
operably linked to a regulatory sequence for expression.

F10
32. (Thrice Amended) A nucleic acid vector for
transformation of a plant cell and including the
polynucleotide according to claim 1.

33. (Thrice Amended) A host cell containing a
heterologous polynucleotide or nucleic acid vector each
comprising the isolated polynucleotide according to claim
1.

HARBERD et al -- Serial No.: 09/485,529

F₁₁ 34. (Amended) A host cell according to claim 33 which is a microbial cell.

F₁₂ 36. (Twice Amended) A plant cell according to claim 35 having said heterologous polynucleotide in its genome.

F₁₃ 39. (Twice Amended) A method of producing the host cell according to claim 35, the method including incorporating said heterologous polynucleotide or nucleic acid vector into the cell by means of transformation.

40. (Twice Amended) The method according to claim 39 which includes recombining the polynucleotide with the cell genome such that it is stably incorporated therein.

41. (Thrice Amended) The method according to claim 39 wherein said host cell is a plant cell and said method further includes regenerating a plant from one or more of said transformed cells.

F₁₄ 44. (Twice Amended) A method of producing the isolated plant, the method including incorporating a polynucleotide according to claim 1 into a plant cell and regenerating a plant from said plant cell.

HARBERD et al -- Serial No.: 09/485,529

F15 46. (Thrice Amended) A method of influencing the growth of a plant, the method including causing or allowing expression from a heterologous polynucleotide comprising the isolated polynucleotide according to claim 1 within cells of the plant,

whereby said expression of said heterologous polypeptide influences the growth of said plant.

Cancel claims 51-54 without prejudice.

REMARKS

Reconsideration of this application and entry of the foregoing amendments are respectfully requested.

Claims 10-15, 17-25, 28, 29, 32-46, 48 and 49 stand under 35 USC 112, second paragraph, rejected as being indefinite. Withdrawal of the rejection is submitted to be in order in view of the above-noted claim revisions, which incorporate many of the Examiner's suggestions.

Reconsideration is requested.

Claims 6, 14, 15 and 17-27 stand rejected under 35 USC 112, first paragraph, as allegedly being non-enabled. The rejection is traversed.